

## **Implementing Cisco Data Center Unified Computing - On Demand (DCUCI v6.2)**

**Modality: On Demand**

**Duration: 40 Hours**

**CLC: 15 Units**

### **About this course:**

Course DCUCI v6.0, which is known as Implementing Cisco Data Center Unified Computing, is created to help students with their preparation for the certification exam of Cisco CCNPA Data Center certification. The five-day course is carefully put together to teach students about the data center roles at professional-level. This skills development course out a great emphasis on the operation, security, and deployment of UCS or Cisco Unified Computing System. In addition to this, students will gain key knowledge of USC C-series Rack Servers to be used in data centers.

The modules in this course include information and hands-on topics which will help the student to get a better understanding and fundamental knowledge of Unified/o networking for LAN and SAN which are used by Cisco UCS for configuration and management. The comprehensive course also covers automation UCS deployment with the use of UCS Central software, restoring system configuration, use of monitoring tools to overview and troubleshoot Cisco UCS Manager and Cisco IMC.

Students who wants help preparing for the Cisco Exam: 300-175 DCUCI

### **Course Objectives:**

Tools for Cisco UCS C-series monitoring

Cisco UCS C-Series rack servers

Cisco R-Series Rack enclosures

Cisco R-series rack and implementation of Cisco UCS C-series on it.

Applying Smart Call Home

Implementation of SPAN

Using Cisco UCS Manager

Using C-Series for the installation of VMware ESXi

Understanding of components for Cisco UCS firmware

Learn to restore capabilities in Cisco UCS Manager

## Cisco UCS B-Series Hardware

### **Audience:**

The course is designed for professionals:

Designer and engineer of network

Server and Network Administrators

Storage Administrators

Architect of Technical Solutions

Project and Program manager

### **Prerequisites:**

This course requires prior knowledge and working experience of the following in order to understand the course:

CCNA DC

CCNA and DCUFI knowledge

Server OS, and should be familiar with Virtualization

Hypervisor

ICSNS or Implementing Cisco Storage Networking Solutions

### **Course Outline:**

#### **Module 1: Cisco Unified Computing System Implementation**

Lesson 1: Describing Cisco UCS Server Form Factors

Lesson 2: Describing Cisco UCS Connectivity

Lesson 3: Configuring Identity Abstraction

Lesson 4: Configuring Service Profile Templates

#### **Module 2: SAN Storage Implementation for Cisco Unified Computing System**

Lesson 1: Implementing iSCSI

Lesson 2: Implementing Fibre Channel

Lesson 3: Implementing FCoE

#### **Module 3: Security Implementation for Cisco Unified Computing System**

- Lesson 1: Implementing Role-Based Access Control
- Lesson 2: Implementing External Authentication Providers
- Lesson 3: Implementing Key Management

## **Module 4: Operations and Maintenance for Cisco Unified Computing System**

- Lesson 1: Implementing Cisco UCS Firmware Updates
- Lesson 2: Implementing Cisco UCS Backups
- Lesson 3: Implementing Monitoring

## **Module 5: Cisco Unified Computing System Automation**

- Lesson 1: Implementing Cisco UCS Central
- Lesson 2: Implementing Cisco UCS Director and Cisco IMC Supervisor
- Lesson 3: Comparing Scripting Options for Cisco UCS Manager